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No one could detect sweetness in amyl alcohol, and many could not in butyl. These results, however, are so nearly the same, and the errors of observation so great, that it may be considered that the sweetness of methyl, ethyl, and propyl alcohols is about the same; that butyl is very slightly sweet, and amyl not at all.

The second series was that represented by  $C_n H_{2n+2}O_n$ . The results were as follows:

Methyl alcohol  $CH_3OH$  ..... 1 part in 45.

Glycol  $C_2H_4(OH)_2$  ..... 1 part in 124.

Glycerine  $C_3H_5(OH)_3$  ..... 1 part in 155.

Erythrite  $C_4H_6(OH)_4$  ..... 1 part in 225.

Pentatomic alcohol, unknown.

Mannite  $C_6H_8(OH)_6$  ..... 1 part in 85.

From this it appears that the sweetness increases with each additional hydroxyl group for the first four, but that mannite is much less sweet than might have been expected, from its position and its relation to all our sugars, the carbo-hydrates.

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#### NOTES ON SOME KANSAS METEORITES.

BY F. H. SNOW, LAWRENCE.

The description of the Kiowa county, Kan., meteorites is published in full in *Science*, vol. XVI, May 9, and July 18, 1890.

Also a description of the Washington county, Kan., meteorite, may be found in *Science*, vol. XVI, July 18, 1890.

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#### ADDITIONS TO THE FLORA OF KANSAS.

BY B. B. SMYTH, TOPEKA.

It is fourteen years since anything like a complete list of the plants of Kansas has been published. This was done by Prof. J. H. Carruth, of Lawrence. The list contained the names of 1,082 plants. Additions made since then have increased the list to 1,515 numbers. The last addition was made in 1884.

Botanical researches through the State since then, have thrown some light on the published lists, and have disclosed some new plants. Some of the plants named in those lists have not since been seen, and are not positively known to be growing in the State. The following need confirmation, and should be erased from the list of Kansas plants:

1. <i>Corydalis montana</i> .	11. <i>Malvastrum pedatifidum</i> .
2. <i>Nasturtium officinale</i> .	12. <i>Hibiscus carolinianus</i> .
3. <i>Hypericum ellipticum</i> .	13. <i>Psoralea eglandulosa</i> .
4. <i>Hypericum gymnanthemum</i> .	14. <i>Psoralea scabra</i> .
5. <i>Hypericum canadense</i> .	15. <i>Astragalus goniatus</i> .
6. <i>Hypericum angulosum</i> .	16. <i>Astragalus campestris</i> .
7. <i>Alsine brevifolia</i> .	17. <i>Lathyrus pusillus</i> .
8. <i>Agrostemma githago</i> .	18. <i>Desmodium neglectum</i> .
9. <i>Paronychia canadensis</i> .	19. <i>Crataegus parviflora</i> .
10. <i>Malvastrum angustum</i> .	20. <i>Crataegus sanguinea</i> .